

## Professional Experience

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**Mesh Systems**, Carmel, IN May 2025 – Present  
*Software Engineer Intern*

Rotated through Cloud, Mobile & DevOps teams, contributing to AI enablement initiatives, automation pipelines, external features, and workflow extensions.

**AI System Prompt & Internal Enablement Platform** Jun – Aug 2025

- Co-developed a master IDE prompt that standardized AI-assisted coding workflows across the company.
- Built internal GPT-based tools and co-facilitated 17 short enablement sessions (AI 101/workshops) for 20+ engineers across multiple teams, standardizing AI usage across the org.
- *Skills: Prompt Engineering, OpenAI API, Custom GPT Design, Python*

**Azure DevOps Sprint Scorecard Extension** Jun – Aug 2025

- Designed and delivered an Azure DevOps extension with real-time sprint dashboards for project tracking.
- Converted a static HTML prototype into a production-ready React/Next.js solution, integrating backend data from a junior intern's service.
- *Skills: React, Next.js, TypeScript, Azure Static Web Apps, Azure DevOps REST API*

**Financial Report Automation** May – Jun 2025

- Designed and launched an automated ETL pipeline with Microsoft Fabric and SQL, cutting monthly Azure reporting from 3 hours to under 10 minutes.
- *Skills: Microsoft Fabric, SQL, ETL Automation, Azure Data Services*

## Academic & Personal Projects

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**Beat Sequencer “DJ Pete”** — Purdue ECE 362 (Course Project) Oct – Dec 2024

- Programmed STM32 firmware integrating I2C, DMA, and SPI for multi-track audio playback.

**Python Spotify Manager** — Personal Project Jun 2023 – Present

- Built automation scripts to manage playlists and generate analytics dashboards.

**FM Radio Detection/Demodulation Research** — Purdue VIP Jan – May 2024

- Implemented FM demodulation in GNU Radio with USRP hardware and custom C signal-processing blocks.

## Additional Experience

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**Purdue Rack and Roll**, West Lafayette, IN Aug 2023 – Aug 2025  
Managed daily operations and customer experience in a high-responsibility, two-person setting.

**Royal Pin Woodland**, Indianapolis, IN Aug 2021 – Aug 2024  
Trained 5+ new hires, led 2–4-person teams, and supervised a 70-lane center during peak hours.

## Education

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**Purdue University**, West Lafayette, IN Aug 2022 – May 2026  
Bachelor of Science in Computer Engineering — Honors Program, Goss Scholars Learning Community  
*Current Coursework:* Software Engineering, Machine Learning, Software Senior Design

## Skills

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**Technical:** C/C++, Python, React, Next.js, TypeScript, Azure DevOps, Microsoft Fabric, SQL, ETL Automation, Prompt Engineering, Git/GitHub, Agile Development  
**Professional:** Leadership, Adaptability, Collaboration, Mentoring, Initiative